|  |
| --- |
| **6th Grade Unit 2: Ratios & Proportional Relationships Learning Plan** |
| **No More than 5 weeks** | **Learning Target 1: I can write and simplify a ratio.** **6.RP.1** |
| **Unit Synopsis:**In this unit students will explore **ratios** and **rates**. Students will apply their knowledge of **multiplication** and **division** to write and simplify ratios as well as determine **equivalent rates**. Students will calculate **unit rate** utilizing different strategies. Students will also learn how manipulate percentages. They will determine an amount from a given **percentage**, and then find a missing percentage from a given set of whole numbers. Students will have to apply these concepts to real world situations including, but not limited to, determining the best deal, finding a quicker pace, determine sale prices from a percent discount and determine a total whole number amount from a percentage. | Period 1 | I can explain what a ratio is. |
| Period 1 | I can write a ratio from a given situation. |
| Period 1 | I can write and simplify a ratio from a given situation. |
| Period 2 | I can explain what a ratio means based on a given situation. |
| Period 3 | I can calculate a missing value in a proportional situation given a ratio. |
| Period 4 |
| **Learning Target 2: I can calculate and apply a unit rate.****6.RP.2, 6.RP.3b & 6.RP.3c** |
| Period 5 | I can differ between rates and ratios. |
| Period 5 | I can calculate equivalent rates. |
| Period 6 | I can calculate a unit rate using division or a proportion. |
| Period 7 |
| Period 8 | I can apply unit rate to real world situations. |
| Period 9 |
| **Learning Target 3: I can apply ratio reasoning to manipulate units of measurement to solve real world problems. 6.RP.3a, 6.RP.3d** |
| Period 10 | I can convert between given units of measurement. |
| Period 11 | I can apply ratio reasoning to manipulate units of measurement to solve real world problems. |
| Period 12 |
| Period 13 | **Mastery Quiz 1** |
| **Learning Target 4: I can calculate the percent of a given quantity.****6.RP.3c** |
| Period 14 | I can create and solve a percent proportion to calculate the percent of a quantity. |
| Period 15 | I can solve real world problems involving finding the percent of a given quantity. |
| Period 16 |
| **Learning Target 5: I can determine a percentage given the part and the total quantity.****6.RP.3c** |
| Period 17 | I can create and solve a percent proportion to calculate a percentage. |
| Period 18 | I can solve real world percent problems involving finding a missing percentage. |
| Period 19 |
| Period 20 | **Mastery Quiz 2** |
| **Learning Target 6: I can find the total quantity given the percent and a part of the total. 6.RP.3c** |
| Period 21 | I can create and solve a percent proportion to calculate a missing total. |
| Period 22 | I can solve real world percent word problems. |
| Period 23 |
| **Learning Target 7: I can convert between fractions, decimals, and percentages.** |
| Period 24 | I can convert a decimal to a percent, and a percent to a decimal. |
| Period 25 | I can solve real world problems involving fractions, decimals, and percentages. |
| Period 26 |
| Period 27 | **Mastery Quiz 3** |
| Period 28 | Miscellaneous:*Teacher created quizzes**Spiral**Review**Completing activities* |
| Period 29 |
| Period 30 |
| Period 31 |
| Period 32 | **Unit 2 Post Test** |
| Period 33 |
| Period 34 | **Unit 2 Performance Task** |